

No. 71710

APPLICATION FOR PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office SEP 20 2004

Returned to applicant for correction OCT 12 2004

Corrected application filed _____

Map filed _____

The applicant **Churchill County** makes application for permission to appropriate the public waters of the State of Nevada, as hereinafter stated.

1. The source of the proposed appropriation is **Underground**
2. The amount of water applied for is **1.0 cfs not to exceed 4,000 gal/day** second-feet
 - (a) If stored in reservoir give number of acre-feet
3. The water to be used for **Municipal**
4. If use is for:
 - (a) Irrigation, state number of acres to be irrigated
 - (b) Stockwater, state number and kinds of animals to be watered
 - (c) Other use (describe fully under No. 12. "Remarks")
 - (d) Power:
 - (1) Horsepower developed
 - (2) Point of return of water to stream
5. The water is to be diverted from its source at the following point **S½ Sec. 23, Sec. 26, E½ Sec. 27 & N½ Sec's. 34 & 35, T.19N., R.28., M.D.B.&M.**
6. Place of Use **See Exhibit "A". Refer to sheet 2 of 2 accompanying application 49200 for depiction of proposed place of use.**
7. Use will begin about **January 1** and end about **December 31** of each year.
8. Description of proposed works **Production well, well head treatment, pipelines controls, storage tanks, etc.**
9. Estimated cost of works **≥\$500,000**
10. Estimated time required to construct works **2 years**
11. Estimated time required to complete the application of water to beneficial use **5 years**

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12. Remarks: See attachment B

By s/ Chris C. Mahannah
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Agent
WITHDRAWN BY APPLICANT 2-3-05

Compared gkl/sam

Z. Lucci, P.E. STATE ENGINEER

Protested _____

Exhibit "A"

6. Place of use

T20N R26E sections 1-4, east $\frac{1}{2}$ 5, east $\frac{1}{2}$ 8, 9-16, east $\frac{1}{2}$ 17, east $\frac{1}{2}$ 20, 21-28, east $\frac{1}{2}$ 29, east $\frac{1}{2}$ 32, 33-36, inclusive.

T20N R27E all sections, T20N R28E all sections, T20N R29E all sections, T20N R30E all sections, T20N R31E all sections.

T20N R32E sections west $\frac{1}{2}$ 4, 5-8, west $\frac{1}{2}$ 9, west $\frac{1}{2}$ and south $\frac{1}{2}$ 16, 17-21, 29 and 30.

T19N R26E all sections, T19N R27E all sections, T19N R28E all sections, T19N R29E all sections, T19N R30E all sections.

T19N R31E sections 2-11, 14-22 and 27-33.

T18N R26E sections 1-30, 32-36

T18N R27E all sections, T18N R28E all sections, T18N R29E all sections, T18N R30E all sections.

T18N R31E sections west $\frac{1}{2}$ 4, 5-8, west $\frac{1}{2}$ 9, west $\frac{1}{2}$ 16, 17-20, west $\frac{1}{2}$ 21, west $\frac{1}{2}$ 28, 29-32, and west $\frac{1}{2}$ 33.

T17N R31E sections west $\frac{1}{2}$ 4, 5-8, west $\frac{1}{2}$ 9, west $\frac{1}{2}$ 16, 17-20, west $\frac{1}{2}$ 21, west $\frac{1}{2}$ 28, 29-32, and west $\frac{1}{2}$ 33.

T17N R30E all sections, T17N R29E all sections.

T17N R28E sections 1-3, 10-15, 21-28, and 33-36.

Attachment B

Pursuant to telephone discussions with Tom Gallagher on September 14, 2004, this application to appropriate groundwater is being filed concurrently with a request for a waiver to drill wells to determine the quality and quantity of water in a designated basin. It is anticipated that 2-3 test holes will be drilled in different locations to test water quality and quantity, therefore the application is generic in the sense that several sections or portions thereof have been designated for the proposed point of diversion. It is understood that this application will be returned for correction to describe the point of diversion with a tie and file a map. Churchill County has recently completed a water quality GIS/mapping study whereby approximately 40 wells were sampled for arsenic speciation, manganese, iron and TDS and their locations mapped along with approximately seventy other wells. This study has identified several potential locations for better water quality with respect to arsenic, manganese and iron. The next phase of this study is to drill test holes and collect water quality, lithology and conduct borehole geophysical logging. The preferred drilling methodology will be dual tube air reverse, however if this drilling methodology is unsuccessful, the rig will be converted to mud rotary and the hole will be completed using straight rotary. If the hole is drilled mud rotary, either 4" PVC casing will be set with perforated intervals and bentonite seals between zones or temporary casing will be set to collect water samples. Borehole abandonment will be completed per the NAC if the well is not completed the 4" PVC.

Churchill County is actively seeking underground water rights within the Carson Desert, Hydrographic basin #101. Once those are acquired and proven well location(s) have been determined, change application(s) will be filed to move the rights to those locations. At that time, this application will most likely be withdrawn.